

Title (en)

A TRANSPORTATION SYSTEM FOR CONTINUOUS TUNNEL CONSTRUCTION WORK

Publication

EP 0534922 A3 19930616 (EN)

Application

EP 92850222 A 19920918

Priority

SE 9102761 A 19910924

Abstract (en)

[origin: EP0534922A2] A transportation system for continuous tunnel-driving operations, comprises a drill assembly, a rail-bound back-rig which in addition to standard conventional units also includes a load transfer station which comprises a plurality of portal units, and a track-bound pulling or towing unit having trucks for transporting rock debris, wherein each portal unit is comprised of an essentially parallelepipedic frame construction on whose transverse bottom beams there is arranged tracks and a centre rail for the pulling unit with the carriages, and at whose upper part above carriage height there is arranged an arrangement for receiving, storing and emptying the rock debris which is transferred from the drill assembly to the arrangement via transporters. The system is characterized in that the arrangement for receiving, storing and emptying the rock debris is comprised partly of a drum (E) which is mounted for rotation on the end-wall beams of the frame construction (1) at its upper part and presents a longitudinally extending opening (6) which in a drum filling position and storage position faces upwards and in a drum-emptying position faces downwards, and also partly of a stationary load box (7) having a longitudinally extending bottom opening (8) and guide plates (9) for emptying the rock debris, the stationary load box being attached to the frame construction (1) and the drum (E) being partially located in the box. <IMAGE>

IPC 1-7

E21F 13/02

IPC 8 full level

B65G 47/51 (2006.01); **E21D 9/12** (2006.01)

CPC (source: EP)

B65G 47/5195 (2013.01); **E21D 9/12** (2013.01)

Citation (search report)

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- [A] CH 171201 A 19340815 - AMMANN U MASCHF AG [CH]
- [A] US 3786800 A 19740122 - HELLER A

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